the "DREAMER"®

The "DREAMER"®
Reduces production costs
Increases Accuracy
Eliminates two set-ups
Saves 50% of costs in—
PRODUCTION DRILLING AND REAMING.

## *new combination*

# DRILL-REAMER

***Drills & Reams in one easy operation***

"DREAMER" Flutes are ground (not milled) from solid M-2 662 H.S.S.
Finished tolerances held to ± .0001.
Deep flutes for proper chip removal.
COBALT DREAMERS for use on Stainless Steel and abrasive materials available at small additional cost.
"DREAMER" Sizes from 1/16" to 5/8" in divisions of 1/64" are available from stock in Taper, Jobbers and Aircraft Lengths.
"DREAMER" SPECIALS—3 to 5 day delivery.

**Now available with Burnished Flutes**

# THE CUSTANITE CORPORATION

PROFIT MAKING TOOLS FOR INDUSTRY • 1225 UTICA AVENUE BROOKLYN, NEW YORK 11203

# "DREAMER" NEW HS COMBINATION DRILL-REAMER

## "STANDARD" SPECIFICATIONS AND PRICE SCALE—EFFECTIVE Oct. 1st 1967

| | TAPER LENGTH | | | | | | | JOBBER LENGTH | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| REAM SIZE | DECIMAL | OVERALL | FLUTE | A-DIA. PILOT | 1-6 | 7-12 | 13-24 | OVERALL | FLUTE | A-DIA. PILOT | 1-6 | 7-12 | 13-24 |
| 1/16 | .0625 | 3-3/4 | 2-1/4 | -.008 | 9.03 | 8.30 | 8.19 | 2" | 1" | | 7.77 | 7.04 | 6.93 |
| 5/64 | .0781 | 4-5/8 | 2-3/4 | -.008 | 9.08 | 8.35 | 8.24 | 2-5/8 | 1-1/2 | | 7.82 | 7.09 | 6.98 |
| 3/32 | .0938 | 5-1/8 | 2-3/4 | -.009 | 9.14 | 8.40 | 8.30 | 2-3/4 | 1-5/8 | | 7.88 | 7.14 | 7.04 |
| 7/64 | .1094 | 5-3/8 | 3" | -.009 | 9.28 | 8.53 | 8.43 | 2-7/8 | 1-3/4 | | 8.00 | 7.26 | 7.16 |
| 1/8 | .1250 | 5-3/8 | 3" | -.010 | 9.33 | 8.59 | 8.48 | 3-1/8 | 2" | | 8.06 | 7.31 | 7.21 |
| 9/64 | .1406 | 5-3/4 | 3-3/8 | -.010 | 9.52 | 8.78 | 8.69 | 3-1/4 | 2-1/8 | | 8.25 | 7.50 | 7.42 |
| 5/32 | .1562 | 5-3/4 | 3-3/8 | -.010 | 9.52 | 8.78 | 8.69 | 3-3/4 | 2-1/2 | | 8.27 | 7.53 | 7.42 |
| 11/64 | .1719 | 6" | 3-5/8 | -.011 | 9.68 | 9.04 | 8.93 | 3-5/8 | 2-7/16 | | 8.40 | 7.65 | 7.54 |
| 3/16 | .1875 | 6" | 3-5/8 | -.011 | 9.68 | 9.04 | 8.93 | 3-3/4 | 2-1/2 | | 8.40 | 7.65 | 7.54 |
| 13/64 | .2031 | 6-1/8 | 3-3/4 | -.011 | 9.93 | 9.18 | 9.10 | 3-7/8 | 2-5/8 | | 8.65 | 7.81 | 7.70 |
| 7/32 | .2187 | 6-1/8 | 3-3/4 | -.011 | 10.02 | 9.27 | 9.18 | 4" | 2-3/4 | | 8.73 | 7.88 | 7.78 |
| 15/64 | .2344 | 6-1/4 | 3-7/8 | -.011 | 10.26 | 9.50 | 9.40 | 4-1/8 | 2-7/8 | | 8.96 | 8.21 | 8.10 |
| 1/4 | .2500 | 6-1/4 | 3-7/8 | -.012 | 10.36 | 9.59 | 9.48 | 4-1/8 | 2-15/16 | SAME AS TAPER LENGTH | 9.05 | 8.28 | 8.18 |
| 17/64 | .2656 | 6-3/8 | 4" | -.012 | 10.87 | 10.10 | 10.01 | 4-3/8 | 2-15/16 | | 9.55 | 8.78 | 8.69 |
| 9/32 | .2812 | 6-3/8 | 4" | -.012 | 10.87 | 10.10 | 10.01 | 4-1/2 | 3-3/16 | | 9.55 | 8.78 | 8.69 |
| 19/64 | .2969 | 6-1/2 | 4-1/8 | -.012 | 11.08 | 10.31 | 10.23 | 4-5/8 | 3-5/16 | | 9.76 | 8.99 | 8.91 |
| 5/16 | .3125 | 6-1/2 | 4-1/8 | -.013 | 11.28 | 10.49 | 10.42 | 4-3/4 | 3-7/16 | | 9.93 | 9.15 | 9.07 |
| 21/64 | .3281 | 6-3/4 | 4-1/4 | -.013 | 12.63 | 11.76 | 11.65 | 4-7/8 | 3-1/2 | | 10.27 | 9.49 | 9.41 |
| 11/32 | .3437 | 6-3/4 | 4-1/4 | -.013 | 12.63 | 11.76 | 11.65 | 5" | 3-5/8 | | 11.51 | 10.64 | 10.53 |
| 23/64 | .3594 | 7" | 4-3/8 | -.014 | 12.75 | 11.87 | 11.75 | 5-1/8 | 3-3/4 | | 11.62 | 10.74 | 10.62 |
| 3/8 | .3750 | 7" | 4-3/8 | -.014 | 12.75 | 11.87 | 11.75 | 5-1/4 | 3-7/8 | | 11.62 | 10.74 | 10.62 |
| 25/64 | .3906 | 7-1/4 | 4-5/8 | -.014 | 13.17 | 12.29 | 12.20 | 5-3/8 | 3-15/16 | | 11.72 | 10.83 | 10.72 |
| 13/32 | .4062 | 7-1/2 | 4-3/4 | -.014 | 13.76 | 12.85 | 12.77 | 5-1/2 | 4-1/16 | | 12.03 | 11.15 | 11.06 |
| 27/64 | .4219 | 7-1/2 | 4-3/4 | -.014 | 14.21 | 13.28 | 13.17 | 5-5/8 | 4-3/16 | | 12.73 | 12.16 | 12.08 |
| 7/16 | .4375 | 7-3/4 | 4-3/4 | -.015 | 14.84 | 13.87 | 13.74 | 6" | 4-1/2 | | 13.06 | 12.49 | 12.42 |
| 29/64 | .4531 | 7-3/4 | 4-3/4 | -.015 | 15.27 | 14.31 | 14.20 | 6-5/8 | 4-13/16 | | 14.26 | 13.69 | 13.57 |
| 15/32 | .4688 | 8" | 4-3/4 | -.015 | 15.40 | 14.43 | 14.33 | 6-5/8 | 4-13/16 | | 14.94 | 14.36 | 14.27 |
| 31/64 | .4844 | 8-1/4 | 4-7/8 | -.015 | 16.01 | 15.02 | 14.92 | 6-5/8 | 4-13/16 | | 15.42 | 14.84 | 14.74 |
| 1/2 | .500 | 8-1/4 | 4-7/8 | -.015 | 16.14 | 15.15 | 15.05 | 6-5/8 | 4-13/16 | | 15.55 | 14.96 | 14.87 |
| 33/64 | .5156 | 8-3/4 | 4-7/8 | -.015 | 16.71 | 15.72 | 15.64 | | | | | | |
| 17/32 | .5312 | 8-3/4 | 4-7/8 | -.015 | 16.71 | 15.72 | 15.64 | | | | | | |
| 35/64 | .5469 | 8-3/4 | 4-7/8 | -.015 | 17.57 | 16.56 | 16.44 | | | | | | |
| 9/16 | .5625 | 8-3/4 | 4-7/8 | -.015 | 18.30 | 17.24 | 17.16 | | | | | | |
| 37/64 | .5781 | 9" | 5-1/8 | -.015 | 19.50 | 18.44 | 18.36 | | | | | | |
| 19/32 | .5937 | 9" | 5-1/8 | -.015 | 19.50 | 18.44 | 18.36 | | | | | | |
| 39/64 | .6094 | 9-1/4 | 5-3/8 | -.015 | 20.10 | 19.04 | 18.96 | | | | | | |
| 5/8 | .6250 | 9-1/4 | 5-3/8 | -.015 | 20.10 | 19.04 | 18.96 | | | | | | |

**"AIRCRAFT LENGTHS": STANDARD RANGE: 1/8" to 7/16"—Overall Length: 12"—Flute Length: Same As Jobbers Flute Length—"A" Pilot Dimension: Same As Taper Length—PRICE: Add $3.00 to Taper Length Price under proper quantity column. FOR COBALT: Add Price As Indicated in "CALCU-CHART" For Specials.**

# "DREAMER" ®

## "CALCU-CHART" FOR SPECIAL DIMENSION "DREAMERS"—TAPER LENGTH

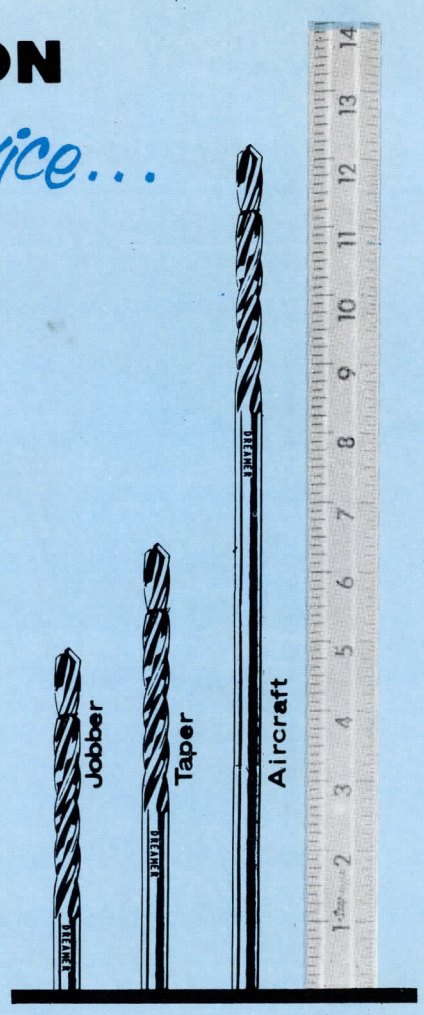
| REAM RANGE | Overall Length | 1 | 2 | 3 | 4 | 5 | 6–7 | 8–11 | 12–23 | 24–36 | Jobber COBALT ADD | Taper COBALT ADD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .0600 –.1405 | | 17.40 | 15.90 | 14.60 | 13.50 | 12.40 | 11.30 | 10.70 | 9.85 | 9.50 | 1.00 | |
| .1406 –.1561 | | 17.55 | 16.05 | 14.75 | 13.65 | 12.55 | 11.45 | 10.85 | 10.00 | 9.75 | 2.00 | |
| .1562 –.1718 | | 17.60 | 16.10 | 14.80 | 13.70 | 12.60 | 11.50 | 10.90 | 10.05 | 9.80 | 2.00 | |
| .1719 –.1874 | | 17.65 | 16.15 | 14.85 | 13.75 | 12.65 | 11.55 | 10.95 | 10.20 | 9.90 | 2.00 | |
| .1875 –.2030 | | 17.70 | 16.20 | 14.90 | 13.80 | 12.70 | 11.60 | 11.00 | 10.25 | 9.95 | 2.00 | |
| .2031 –.2186 | | 17.90 | 16.40 | 15.50 | 14.50 | 13.35 | 12.30 | 11.45 | 10.60 | 10.25 | 2.00 | |
| .2187 –.2343 | | 17.95 | 16.45 | 15.55 | 14.55 | 13.40 | 12.35 | 11.50 | 10.65 | 10.30 | 2.00 | |
| .2344 –.2499 | | 18.10 | 16.60 | 15.80 | 14.70 | 13.60 | 12.80 | 11.90 | 11.05 | 10.75 | 2.00 | |
| .2500 –.2655 | | 18.15 | 16.65 | 15.85 | 14.75 | 13.65 | 12.85 | 11.95 | 11.10 | 10.80 | 2.00 | |
| .2656 –.2811 | SIZE | 18.45 | 16.95 | 16.20 | 15.05 | 14.45 | 13.35 | 12.75 | 12.15 | 11.75 | 2.00 | |
| .2812 –.2968 | | 18.50 | 17.00 | 16.25 | 15.10 | 14.50 | 13.40 | 12.80 | 12.20 | 11.80 | 2.00 | |
| .2969 –.3124 | | 18.65 | 17.15 | 16.35 | 15.75 | 15.15 | 14.55 | 13.45 | 12.60 | 12.35 | 2.00 | |
| .3125 –.3280 | STANDARD | 18.70 | 17.20 | 16.40 | 15.80 | 15.20 | 14.60 | 13.50 | 12.65 | 12.40 | 2.00 | PRICES UPON APPLICATION |
| .3281 –.3436 | | 19.35 | 17.35 | 16.55 | 15.95 | 15.35 | 14.75 | 13.65 | 13.05 | 12.75 | 2.00 | |
| .3437 –.3593 | | 19.40 | 17.40 | 16.60 | 16.00 | 15.40 | 14.80 | 13.70 | 13.10 | 12.80 | 2.00 | |
| .3594 –.3749 | | 19.45 | 17.45 | 16.65 | 16.05 | 15.45 | 14.85 | 13.75 | 13.15 | 12.85 | 2.00 | |
| .3750 –.3905 | | 19.50 | 17.50 | 16.70 | 16.10 | 15.50 | 14.90 | 13.80 | 13.20 | 12.90 | 3.00 | |
| .3906 –.4061 | NEAREST | 20.10 | 18.10 | 17.30 | 16.20 | 15.60 | 15.00 | 13.90 | 13.30 | 13.00 | 3.00 | |
| .4062 –.4218 | | 20.15 | 18.15 | 17.35 | 16.25 | 15.65 | 15.05 | 13.95 | 13.35 | 13.05 | 3.00 | |
| .4219 –.4374 | | 20.35 | 18.35 | 17.55 | 16.45 | 15.85 | 15.25 | 14.15 | 13.55 | 13.15 | 3.00 | |
| .4375 –.4530 | | 20.40 | 18.40 | 17.60 | 16.50 | 15.90 | 15.30 | 14.20 | 13.60 | 13.20 | 4.00 | |
| .4531 –.4687 | SEE | 21.15 | 19.15 | 18.35 | 16.75 | 16.15 | 15.55 | 14.95 | 14.35 | 14.00 | | |
| .4688 –.4843 | | 21.20 | 19.20 | 18.40 | 16.80 | 16.20 | 15.60 | 15.00 | 14.40 | 14.05 | | |
| .4844 –.4999 | | 22.00 | 20.00 | 18.70 | 17.60 | 17.00 | 16.40 | 15.80 | 15.20 | 14.75 | | |
| .5000 –.5155 | | 22.10 | 20.10 | 18.80 | 17.70 | 17.10 | 16.50 | 15.90 | 15.30 | 14.85 | | |
| .5156 –.5311 | | 22.90 | 20.90 | 19.10 | 18.50 | 17.90 | 17.30 | 16.70 | 16.10 | 15.75 | | |
| .5312 –.5468 | | 22.95 | 20.95 | 19.15 | 18.55 | 17.95 | 17.35 | 16.75 | 16.15 | 15.80 | | |
| .5469 –.5624 | | 23.60 | 21.80 | 20.00 | 19.40 | 18.80 | 18.20 | 17.60 | 17.00 | 16.50 | | |
| .5625 –.5780 | | 24.80 | 22.80 | 21.00 | 20.40 | 19.80 | 19.20 | 18.60 | 18.00 | 17.50 | | |
| .5781 –.5936 | | 25.00 | 23.00 | 21.40 | 20.80 | 20.20 | 19.60 | 19.00 | 18.40 | 18.00 | | |
| .5937 –.6093 | | 26.00 | 24.00 | 22.40 | 21.80 | 21.20 | 20.60 | 20.00 | 19.40 | 19.00 | | |
| .6094 –.6249 | | 26.60 | 24.60 | 22.80 | 22.20 | 21.60 | 21.00 | 20.40 | 19.80 | 19.50 | | |
| .6250 –.6406 | | 26.70 | 24.70 | 22.90 | 22.30 | 21.70 | 21.10 | 20.50 | 19.90 | 19.60 | | |
| .6407 –.6875 | | 38.00 | 36.00 | 34.20 | 34.00 | 33.50 | 32.50 | 31.50 | 30.00 | 29.75 | | |
| .6876 –.7500 | | 42.00 | 40.00 | 38.00 | 37.75 | 37.50 | 37.00 | 36.75 | 36.25 | 36.00 | | |
| .7501 –.8750 | | 44.00 | 43.00 | 41.00 | 40.75 | 40.50 | 40.00 | 39.75 | 39.00 | 38.75 | | |
| .8751 –1.000 | | 47.00 | 45.00 | 43.00 | 42.75 | 42.50 | 42.00 | 41.75 | 41.25 | 41.00 | | |

PRICES UPON APPLICATION

FOR JOBBERS LENGTH: DEDUCT 50¢ (up to ½")—FOR AIRCRAFT LENGTH: ADD $3.00 (up to 7/16")—FOR COBALT: ADD Amount Indicated in Proper Column—FOR MORSE TAPER SHANK: SIZES AS REQUIRED: ADD $8.00. ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

# THE CUSTANITE CORPORATION

## *Offers a Complete Tool Service...*




**SPECIAL RAPID DELIVERY**
**on**
Screw machine length "DREAMERS" ®
Special Cobalt "DREAMERS".®

**SPECIAL DIMENSION "DREAMERS"** ®

High precision Step Drills and special cutting and form tools to your order.

Free technical information and assistance available on request.

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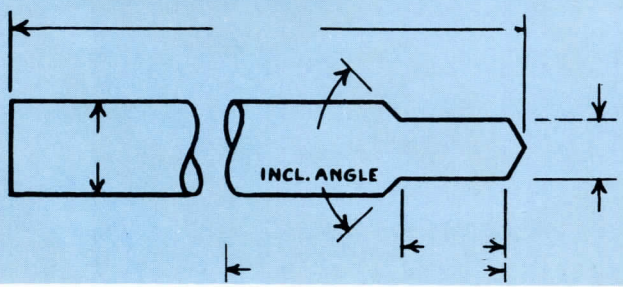
**WHEN ORDERING "SPECIALS"**

– PLEASE USE ORDER FORM BELOW

*THIS DREAMER® OR STEP DRILL IS MADE TO YOUR SPECIFICATIONS*




Remarks.....

.....

☐ Blue print enclosed.

## ORDER FORM

Gentlemen:

Please supply the following:

Quantity.....

Material to be cut.....

Decimal Tolerances ±

Fractional Tolerances ±

Customer's Name.....

Address.....

Signed.....

DISTRIBUTOR


**THE CUSTANITE CORPORATION**
PROFIT MAKING TOOLS FOR INDUSTRY
1225 Utica Avenue . Brooklyn, N. Y. 11203
Area Code 212 NA 9-0555